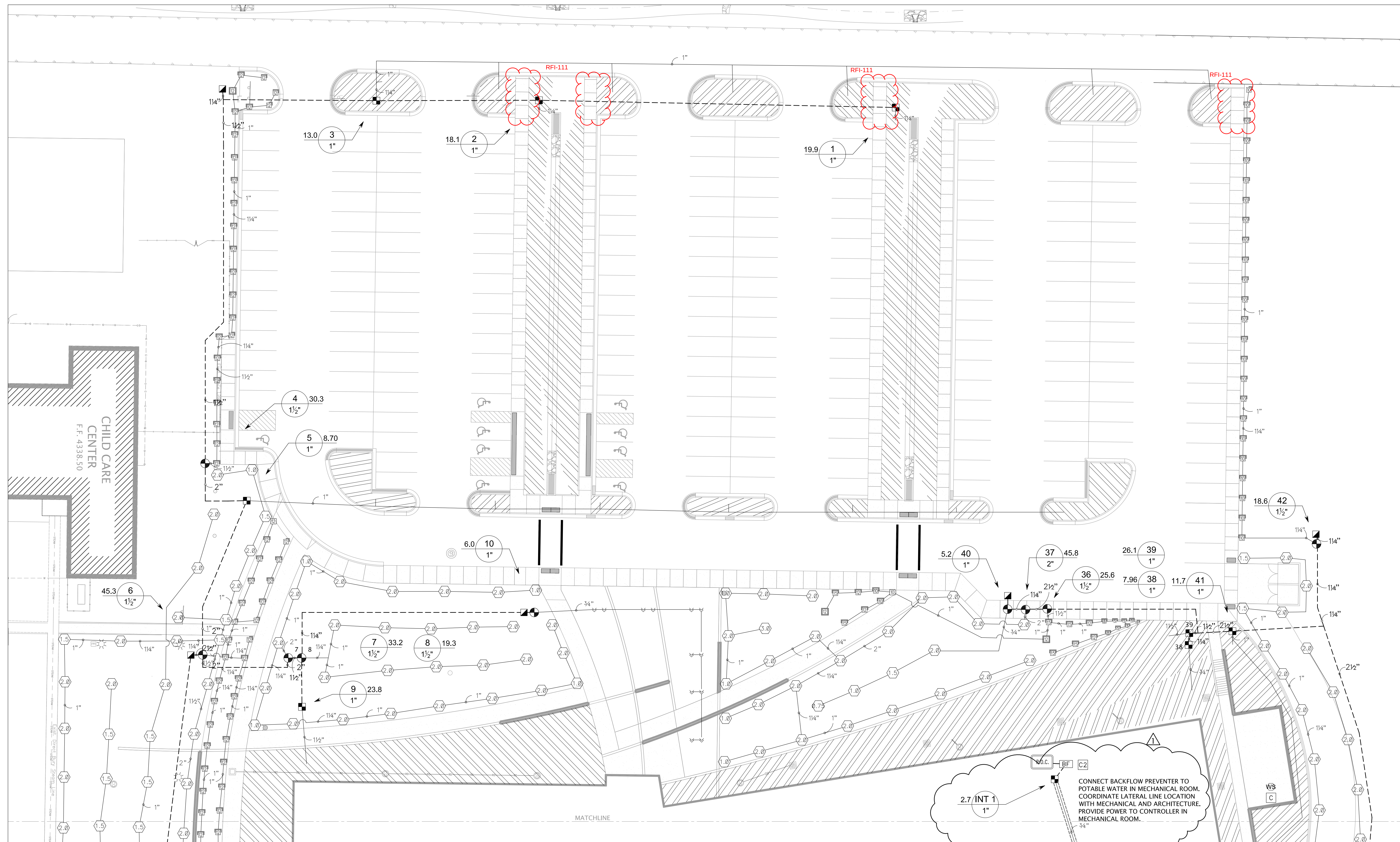
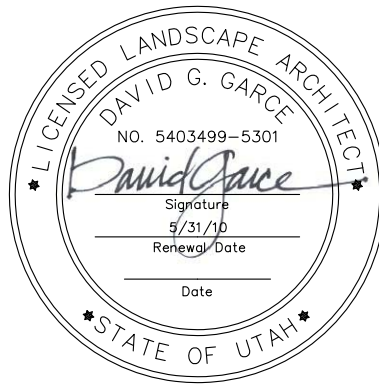


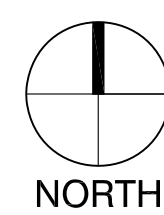
REVISIONS:

05.21.2010	ASI #6
06.07.2010	ASI #9



IRRIGATION PLAN NORTH

SCALE: 1"=20'-0" 1 LI100



IRRIGATION SCHEDULE

SYMBOL

MANUFACTURER/MODEL/DESCRIPTION
RAIN BIRD 1806-SAM 5 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.
RAIN BIRD 1806-SAM 8 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.
RAIN BIRD 1806-SAM 10 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.
RAIN BIRD 1806-SAM 12 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.
RAIN BIRD 1806-SAM 15 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.
RAIN BIRD 1806-SAM ADJ TURF SPRAY 6" POPUP WITH CHECK VALVE.
RAIN BIRD RWS-M-B-C-SOCK MINI ROOT WATERING SYSTEM WITH 4" DIAMETER X 18" LONG WITH LOCKING GRATE, SEM-RIGID MESH TUBE WITH SAND SOCK AND RAIN BIRD 1401 0.25GPM OR 1402 0.50GPM BUBBLER AS INDICATED, WITH CHECK VALVE.

PSI

SYMBOL

MANUFACTURER/MODEL/DESCRIPTION

HUNTER ICZ-10140
INSTITUTIONAL DRIP CONTROL ZONE KIT, 1" ICV CONTROL ZONE VALVE WITH 1" HY100 WYE FILTER (150 MESH) AND 40PSI HIGH-FLOW REGULATOR.

RAIN BIRD XBD80 W/ XB-20PC 8 MULTI-OUTLET DRIP XERI-BIRD 8 MULTI OUTLET EMISSION DEVICE WITH XERI-BUG EMITTERS AT 2GPH EACH, 200 MESH FILTER.

AREA TO RECEIVE DRIPLINE
HUNTER PLD-06-18 (18)
DRIPLINE WITH 0.6 GPH EMITTERS, NON-DRAINING, PRESSURE COMPENSATING, AT 18" O.C., AND ROW SPACING AT 18" O.C., OFF-SET EMITTERS FOR TRIANGULAR SPACING.

SYMBOL

MANUFACTURER/MODEL/DESCRIPTION

RAIN BIRD PESB-PRS-D
ELECTRIC REMOTE CONTROL SCRUBBER VALVE, WITH PRESSURE REGULATOR.

RAIN BIRD 44LRC
1" QUICK COUPLER VALVE, TWO PIECE BODY, LOCKING COVER

RAIN BIRD 300-BPES 3"
3" BRASS MASTER VALVE, NORMALLY CLOSED, WITH NYLON SCRUBBER.

FEBCO 825Y 3/4"
REDUCED PRESSURE BACKFLOW PREVENTER

RAIN BIRD RC-48I
ELECTROMECHANICAL CONTROLLER, 4 STATIONS, WITH INDOOR MOUNT CABINET

RAIN BIRD ESP-40SAT
IRRIGATION CONTROLLER, 40 STATIONS, POWDER COATED WALL MOUNT METAL CABINET.

RAIN BIRD WRFS-C
WIRELESS RAIN/FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.

SYMBOL

MANUFACTURER/MODEL/DESCRIPTION

P.O.C.
POINT OF CONNECTION 6"
TAP INTO EXISTING 6" SECONDARY WATER IRRIGATION LINE

P.O.C.
POINT OF CONNECTION 1"
POTABLE WATER CONNECTION IN MECHANICAL ROOM, SEE MECHANICAL DRAWINGS

IRRIGATION LATERAL LINE: PVC SCHEDULE 40
ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.

IRRIGATION MAINLINE: PVC SCHEDULE 40

PIPE SLEEVE: PVC CLASS 200 SDR 21
TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.

Valve Callout
Valve Number
Valve GPM
Valve Size

SYMBOL

MANUFACTURER/MODEL/DESCRIPTION

PSI

GPM

RADIUS

RAIN BIRD 3504-PC-SAM
TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE

RAIN BIRD 3504-PC-SAM
TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE

RAIN BIRD 3504-PC-SAM
TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE

RAIN BIRD 3504-PC-SAM
TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE

RAIN BIRD 3504-PC-SAM
TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE

RAIN BIRD 3504-PC-SAM
TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE

45

0.77

15'

45

1.06

18'

45

1.48

21'

45

1.93

24'

45

3.00

27'

45

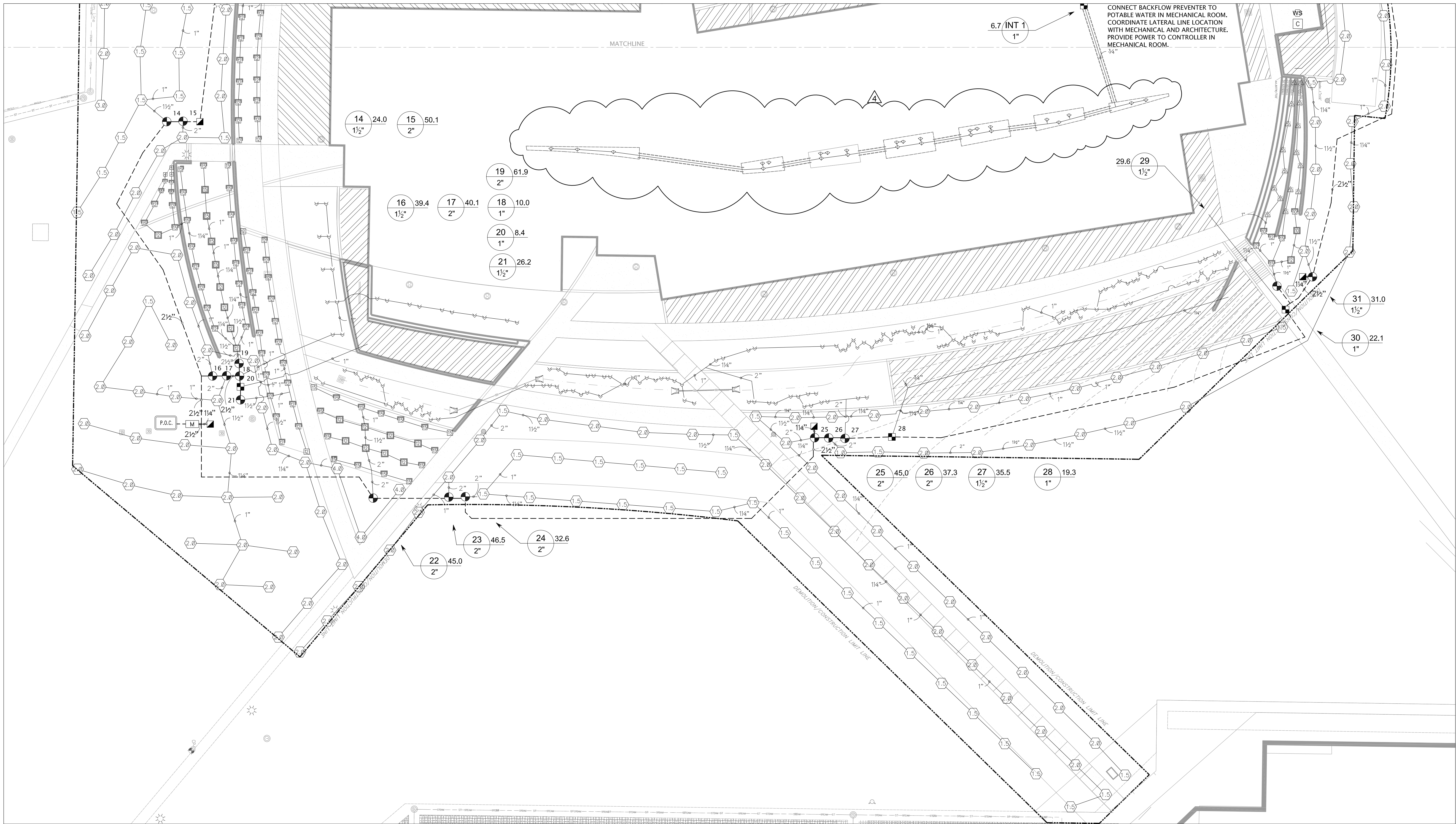
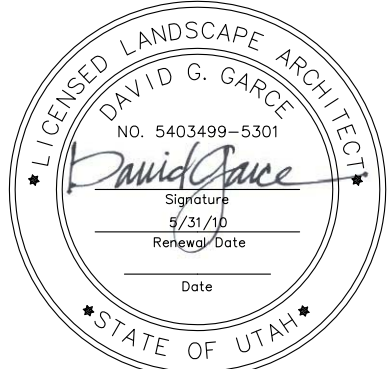
4.13

31'

OWATC Health
Technology
BuildingOgden-Weber Applied Technology College
200 North Washington Boulevard
Ogden, UT 84404Bid Package #2:
Construction DocumentsDRAWN BY:
CHECKED BY:
OWNER PROJECT NO.:
GSBS PROJECT NO.:
ISSUED DATE:TR5
09021240
2009.114.00
04.26.10IRRIGATION PLAN
NORTH

LI100

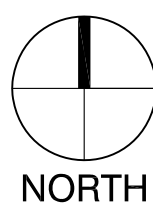
REVISIONS:			
▲	05.21.2010	ASI #6	
▲	06.07.2010	ASI #9	
▲	1.05.2011	ASI #22	
▲	3.8.2011	PR #20	



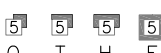
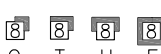
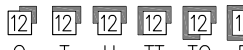
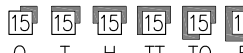
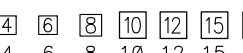
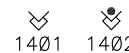
IRRIGATION PLAN SOUTH

SCALE: 1"=20'-0"

1
LI101



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI		
	RAIN BIRD 1806-SAM 5 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.	30		
	RAIN BIRD 1806-SAM 8 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.	30		
	RAIN BIRD 1806-SAM 10 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.	30		
	RAIN BIRD 1806-SAM 12 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.	30		
	RAIN BIRD 1806-SAM 15 SERIES MPR TURF SPRAY 6" POPUP WITH CHECK VALVE.	30		
	RAIN BIRD 1806-SAM ADJ TURF SPRAY 6" POPUP WITH CHECK VALVE.	30		
	RAIN BIRD RWS-M-B-C-SOCK MINI ROOT WATERING SYSTEM WITH 4" DIAMETER X 18" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE WITH SAND SOCK AND RAIN BIRD 1401 0.25GPM OR 1402 0.50GPM BUBBLER AS INDICATED, WITH CHECK VALVE.	40		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS
	RAIN BIRD 3504-PC-SAM TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE	45	0.77	15'
	RAIN BIRD 3504-PC-SAM TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE	45	1.06	18'
	RAIN BIRD 3504-PC-SAM TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE	45	1.48	21'
	RAIN BIRD 3504-PC-SAM TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE	45	1.93	24'
	RAIN BIRD 3504-PC-SAM TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE	45	3.00	27'
	RAIN BIRD 3504-PC-SAM TURF ROTOR, 4" POPUP, ADJUSTABLE AND FULL CIRCLE, WITH CHECK VALVE	45	4.13	31'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER ICZ-10140 INSTITUTIONAL DRIP CONTROL ZONE KIT, 1" ICV CONTROL ZONE VALVE WITH 1" HY100 WYE FILTER (150 MESH) AND 40PSI HIGH-FLOW REGULATOR.
	RAIN BIRD XBD80 W/ XB-20PC 8 MULTI-OUTLET DRIP XERI-BIRD 8 MULTI OUTLET EMISSION DEVICE WITH XERI-BUG EMITTERS AT 2GPH EACH, 200 MESH FILTER.
	AREA TO RECEIVE DRIPLINE HUNTER PLD-06-18 (18) DRIPLINE WITH 0.6 GPH EMITTERS, NON-DRAINING, PRESSURE COMPENSATING, AT 18" O.C., AND ROW SPACING AT 18" O.C., OFF-SET EMITTERS FOR TRIANGULAR SPACING.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD PESB-PRS-D ELECTRIC REMOTE CONTROL SCRUBBER VALVE, WITH PRESSURE REGULATOR.
	RAIN BIRD 44LRC 1" QUICK COUPLER VALVE, TWO PIECE BODY, LOCKING COVER
	RAIN BIRD 300-BPES 3" 3" BRASS MASTER VALVE, NORMALLY CLOSED, WITH NYLON SCRUBBER.
	FEBCO 82SY 3/4" REDUCED PRESSURE BACKFLOW PREVENTER
	RAIN BIRD RC-48I ELECTROMECHANICAL CONTROLLER, 4 STATIONS, WITH INDOOR MOUNT CABINET
	RAIN BIRD ESP-40SAT IRRIGATION CONTROLLER, 40 STATIONS, POWDER COATED WALL MOUNT METAL CABINET.
	RAIN BIRD WRFSC WIRELESS RAIN/FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	POINT OF CONNECTION 6" TAP INTO EXISTING 6" SECONDARY WATER IRRIGATION LINE
	POINT OF CONNECTION 1" POTABLE WATER CONNECTION IN MECHANICAL ROOM, SEE MECHANICAL DRAWINGS
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	PIPE SLEEVE: PVC CLASS 200 SDR 21 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.
	Valve Callout Valve Number Valve GPM Valve Size

OWATC Health Technology Building

Ogden-Weber Applied Technology College
200 North Washington Boulevard
Ogden, UT 84404

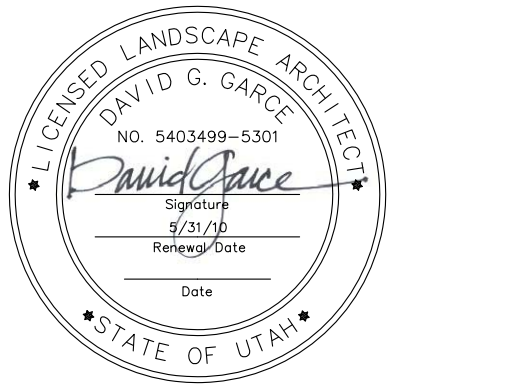
Bid Package #2: Construction Documents

DRAWN BY:
CHECKED BY: TRS
OWNER PROJECT NO.: 09021240
GSBS PROJECT NO.: 2009.114.00
ISSUED DATE: 04.26.10

IRRIGATION PLAN SOUTH

REVISIONS:

06.07.2010	ASI #9



WATERING SCHEDULE- INITIAL PLANT ESTABLISHMENT PERIOD

NUMBER	MODEL	TYPE	PRECIP	SUN	MON	TUE	WED	THU	FRI	SAT	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	RAIN BIRD PESB-PRS-D	SHRUB ROTOR	1.8 in/h	18 min	18 min	18 min	18 min	18 min	18 min	18 min	1.8	76	2,667	666.8
2	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.46 in/h	10 min	10 min	10 min	10 min	10 min	10 min	10 min	1.46	41	1,347	486.7
3	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.25 in/h	13 min	13 min	13 min	13 min	13 min	13 min	13 min	1.25	36	2,913	416.1
4	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.67 in/h	8 min	8 min	8 min	8 min	8 min	8 min	8 min	1.67	36	1,348	337.0
5	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.38 in/h	8 min	8 min	8 min	8 min	8 min	8 min	8 min	1.38	61	2,748	392.6
6	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.89 in/h	19 min	19 min	19 min	19 min	19 min	19 min	19 min	0.89	135	4,475	639.3
7	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.44 in/h	38 min	38 min	38 min	38 min	38 min	38 min	38 min	0.44	273	5,264	751.9
8	RAIN BIRD PESB-PRS-D	BUBBLER	15.32 in/h	1 min	1 min	1 min	1 min	1 min	1 min	1 min	15.32	8	47.0	11.7
9	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	2.45 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	2.45	24	1,178	294.4
10	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.65 in/h	9 min	9 min	9 min	9 min	9 min	9 min	9 min	1.65	36	1,603	400.7
11	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.54 in/h	9 min	9 min	9 min	9 min	9 min	9 min	9 min	1.54	39	1,982	495.5
12	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.33 in/h	51 min	51 min	51 min	51 min	51 min	51 min	51 min	0.33	364	8,727	1,247
13	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.83 in/h	20 min	20 min	20 min	20 min	20 min	20 min	20 min	0.83	145	7,238	1,034
14	RAIN BIRD PESB-PRS-D	TURF ROTOR	1.08 in/h	15 min	15 min	15 min	15 min	15 min	15 min	15 min	1.08	111	4,379	625.6
15	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.37 in/h	46 min	46 min	46 min	46 min	46 min	46 min	46 min	0.37	324	12,999	1,857
16	RAIN BIRD PESB-PRS-D	BUBBLER	15.32 in/h	1 min	1 min	1 min	1 min	1 min	1 min	1 min	15.32	8	78.3	19.6
17	RAIN BIRD PESB-PRS-D	TURF SPRAY	2.12 in/h	8 min	8 min	8 min	8 min	8 min	8 min	8 min	2.12	57	3,503	500.5
18	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.94 in/h	7 min	7 min	7 min	7 min	7 min	7 min	7 min	1.94	31	1,124	281.0
19	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.97 in/h	8 min	8 min	8 min	8 min	8 min	8 min	8 min	1.97	61	1,593	227.6
20	RAIN BIRD PESB-PRS-D	TURF SPRAY	2.42 in/h	7 min	7 min	7 min	7 min	7 min	7 min	7 min	2.42	50	2,234	319.1
21	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.84 in/h	20 min	20 min	20 min	20 min	20 min	20 min	20 min	0.84	143	6,636	948.0
22	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.35 in/h	48 min	48 min	48 min	48 min	48 min	48 min	48 min	0.35	343	11,163	1,595
23	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.83 in/h	18 min	18 min	18 min	18 min	18 min	18 min	18 min	0.83	129	6,243	891.8
24	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.37 in/h	46 min	46 min	46 min	46 min	46 min	46 min	46 min	0.37	324	13,343	1,906
25	RAIN BIRD PESB-PRS-D	BUBBLER	7.66 in/h	3 min	3 min	3 min	3 min	3 min	3 min	3 min	7.66	16	556.1	139.0
26	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	2.16 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	2.16	28	1,487	371.8
27	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.50 in/h	10 min	10 min	10 min	10 min	10 min	10 min	10 min	1.50	40	2,386	596.6
28	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.60 in/h	9 min	9 min	9 min	9 min	9 min	9 min	9 min	1.60	38	1,309	327.3
29	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.93 in/h	18 min	18 min	18 min	18 min	18 min	18 min	18 min	0.93	129	4,001	571.6
30	RAIN BIRD PESB-PRS-D	TURF ROTOR	1.90 in/h	7 min	7 min	7 min	7 min	7 min	7 min	7 min	1.90	32	979.3	244.8
31	RAIN BIRD PESB-PRS-D	TURF ROTOR	1.19 in/h	12 min	12 min	12 min	12 min	12 min	12 min	12 min	1.19	43	2,549	663.5
32	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.65 in/h	9 min	9 min	9 min	9 min	9 min	9 min	9 min	1.65	36	1,780	445.1
33	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.18 in/h	12 min	12 min	12 min	12 min	12 min	12 min	12 min	1.18	51	2,930	732.6
34	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.77 in/h	9 min	9 min	9 min	9 min	9 min	9 min	9 min	1.77	68	1,736	248.0
35	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.84 in/h	20 min	20 min	20 min	20 min	20 min	20 min	20 min	0.84	143	6,549	935.5
36	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.29 in/h	59 min	59 min	59 min	59 min	59 min	59 min	59 min	0.29	414	2,168	309.8
37	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.98 in/h	17 min	17 min	17 min	17 min	17 min	17 min	17 min	0.98	122	2,273	324.7
38	RAIN BIRD PESB-PRS-D	SHRUB ROTOR	0.82 in/h	18 min	18 min	18 min	18 min	18 min	18 min	18 min	0.82	73	2,881	720.2
TOTALS:			643	488	643	488	643	488	643	4153	139,513	23,073		

WATERING SCHEDULE-FOLLOWING JULY AFTER ESTABLISHMENT PERIOD

NUMBER	MODEL	TYPE	PRECIP	SUN	MON	TUE	WED	THU	FRI	SAT	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	RAIN BIRD PESB-PRS-D	SHRUB ROTOR	0.79 in/h	12 min	12 min	12 min	12 min	12 min	12 min	12 min	0.79	38	1,334	444.6
2	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.46 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	1.46	21	973.4	324.5
3	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.25 in/h	20 min	20 min	20 min	20 min	20 min	20 min	20 min	1.25	62	1,893	631.1
4	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.67 in/h	5 min	5 min	5 min	5 min	5 min	5 min	5 min	1.67	18	674.0	224.7
5	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.98 in/h	13 min	13 min	13 min	13 min	13 min	13 min	13 min	1.98	39	1,786	595.4
6	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.89 in/h	29 min	29 min	29 min	29 min	29 min	29 min	29 min	0.89	88	2,909	969.6
7	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.44 in/h	59 min	59 min	59 min	59 min	59 min	59 min	59 min	0.44	177	3,421	1,140
8	RAIN BIRD PESB-PRS-D	BUBBLER	15.32 in/h	4 min	4 min	4 min	4 min	4 min	4 min	4 min	15.32	4	23.5	5.9
9	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	2.45 in/h	4 min	4 min	4 min	4 min	4 min	4 min	4 min	2.45	12	588.9	196.3
10	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.65 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	1.65	18	801.5	267.2
11	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.54 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	1.54	19	991.0	330.3
12	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.33 in/h	78 min	78 min	78 min	78 min	78 min	78 min	78 min	0.33	236	5,673	1,891
13	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.83 in/h	31 min	31 min	31 min	31 min	31 min	31 min	31 min	0.83	94	4,704	1,568
14	RAIN BIRD PESB-PRS-D	TURF ROTOR	1.08 in/h	24 min	24 min	24 min	24 min	24 min	24 min	24 min	1.08	72	2,846	948.8
15	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.37 in/h	70 min	70 min	70 min	70 min	70 min	70 min	70 min	0.37	211	8,449	2,816
16	RAIN BIRD PESB-PRS-D	BUBBLER	15.32 in/h	4 min	4 min	4 min	4 min	4 min	4 min	4 min	15.32	4	39.2	9.8
17	RAIN BIRD PESB-PRS-D	TURF SPRAY	2.12 in/h	12 min	12 min	12 min	12 min	12 min	12 min	12 min	2.12	37	2,277	759.1
18	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.94 in/h	5 min	5 min	5 min	5 min	5 min	5 min	5 min	1.94	15	561.9	187.3
19	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.97 in/h	13 min	13 min	13 min	13 min	13 min	13 min	13 min	1.97	40	1,035	345.1
20	RAIN BIRD PESB-PRS-D	TURF SPRAY	2.42 in/h	10 min	10 min	10 min	10 min	10 min	10 min	10 min	2.42	32	1,452	483.9
21	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.84 in/h	30 min	30 min	30 min	30 min	30 min	30 min	30 min	0.84	93	4,313	1,438
22	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.35 in/h	74 min	74 min	74 min	74 min	74 min	74 min	74 min	0.35	223	7,256	2,419
23	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.93 in/h	27 min	27 min	27 min	27 min	27 min	27 min	27 min	0.93	84	4,058	1,353
24	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.37 in/h	70 min	70 min	70 min	70 min	70 min	70 min	70 min	0.37	211	8,673	2,891
25	RAIN BIRD PESB-PRS-D	BUBBLER	7.66 in/h	1 min	1 min	1 min	1 min	1 min	1 min	1 min	7.66	8	278.1	69.5
26	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	2.16 in/h	4 min	4 min	4 min	4 min	4 min	4 min	4 min	2.16	14	743.6	247.9
27	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.50 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	1.50	20	1,193	397.7
28	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.60 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	1.60	19	654.6	218.2
29	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.93 in/h	27 min	27 min	27 min	27 min	27 min	27 min	27 min	0.93	84	2,601	866.9
30	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.90 in/h	5 min	5 min	5 min	5 min	5 min	5 min	5 min	1.90	14	489.6	163.2
31	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.19 in/h	8 min	8 min	8 min	8 min	8 min	8 min	8 min	1.19	25	1,523	507.7
32	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.65 in/h	6 min	6 min	6 min	6 min	6 min	6 min	6 min	1.65	18	890.2	296.7
33	RAIN BIRD PESB-PRS-D	SHRUB SPRAY	1.18 in/h	8 min	8 min	8 min	8 min	8 min	8 min	8 min	1.18	25	1,465	488.4
34	RAIN BIRD PESB-PRS-D	TURF SPRAY	1.77 in/h	14 min	14 min	14 min	14 min	14 min	14 min	14 min	1.77	44	1,129	376.2
35	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.84 in/h	30 min	30 min	30 min	30 min	30 min	30 min	30 min	0.84	93	4,257	1,419
36	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.29 in/h	89 min	89 min	89 min	89 min	89 min	89 min	89 min	0.29	269	1,409	469.8
37	RAIN BIRD PESB-PRS-D	TURF ROTOR	0.98 in/h	26 min	26 min	26 min	26 min	26 min	26 min	26 min	0.98	80	1,477	492.4
38	RAIN BIRD PESB-PRS-D	SHRUB ROTOR	0.82 in/h	12 min	12 min	12 min	12 min	12 min	12 min	12 min	0.82	37	1,440	480.1
TOTALS:			846	1	845	1	846	2,600	86,284	28,733				

SEASONAL ADJUSTMENT PER MONTH FOR YEAR FOLLOWING ESTABLISHMENT PERIOD:

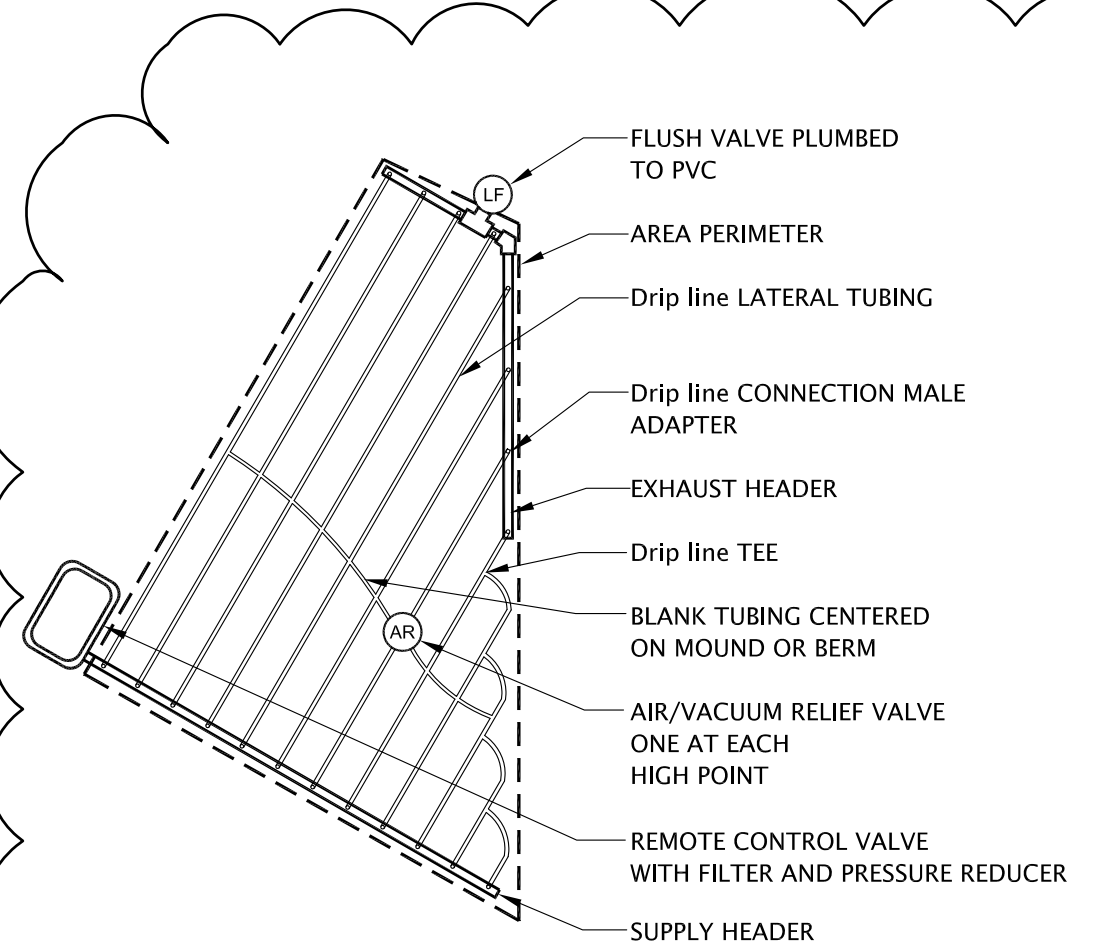
MONTH	PERCENT	GALLONS
JANUARY	0%	
FEBRUARY	0%	
MARCH	12%	46,593
APRIL	29%	112,600
MAY	52%	201,904
JUNE	72%	283,442
JULY	100%	388,278 (4.5 WEEKS)
AUGUST	86%	333,919
SEPTEMBER	53%	205,787
OCTOBER	27%	104,835
NOVEMBER	8%	31,062
DECEMBER	0%	
TOTAL		1,708,420

WATER ALLOWANCE CALCULATION:
ET X PF X AREA / IE X .62

TURF AREAS
30.65 X 1.0 X 75660 / .625 X .62 = 2,300,427

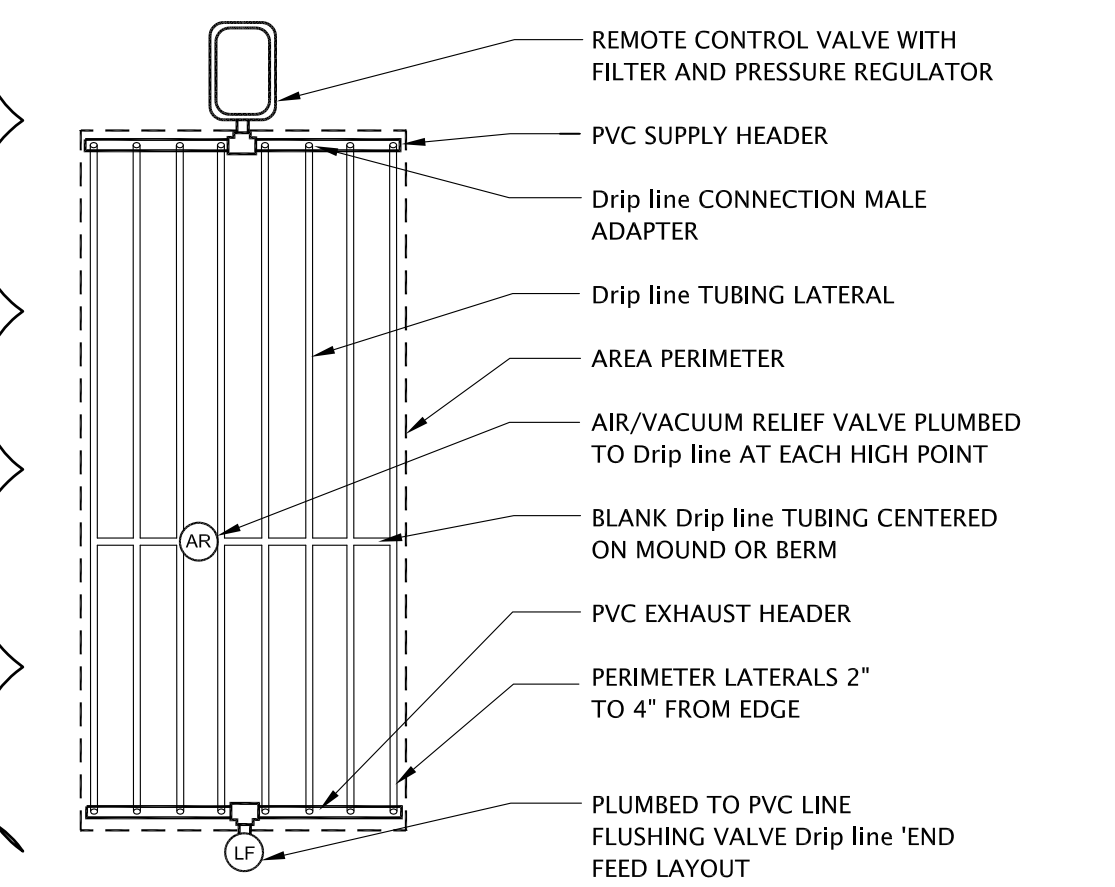
PLANT AREAS
30.65 X .5 X 48138 / .625 X .62 = 731,813

TOTAL WATER ALLOWANCE=3,032,248 GALLONS



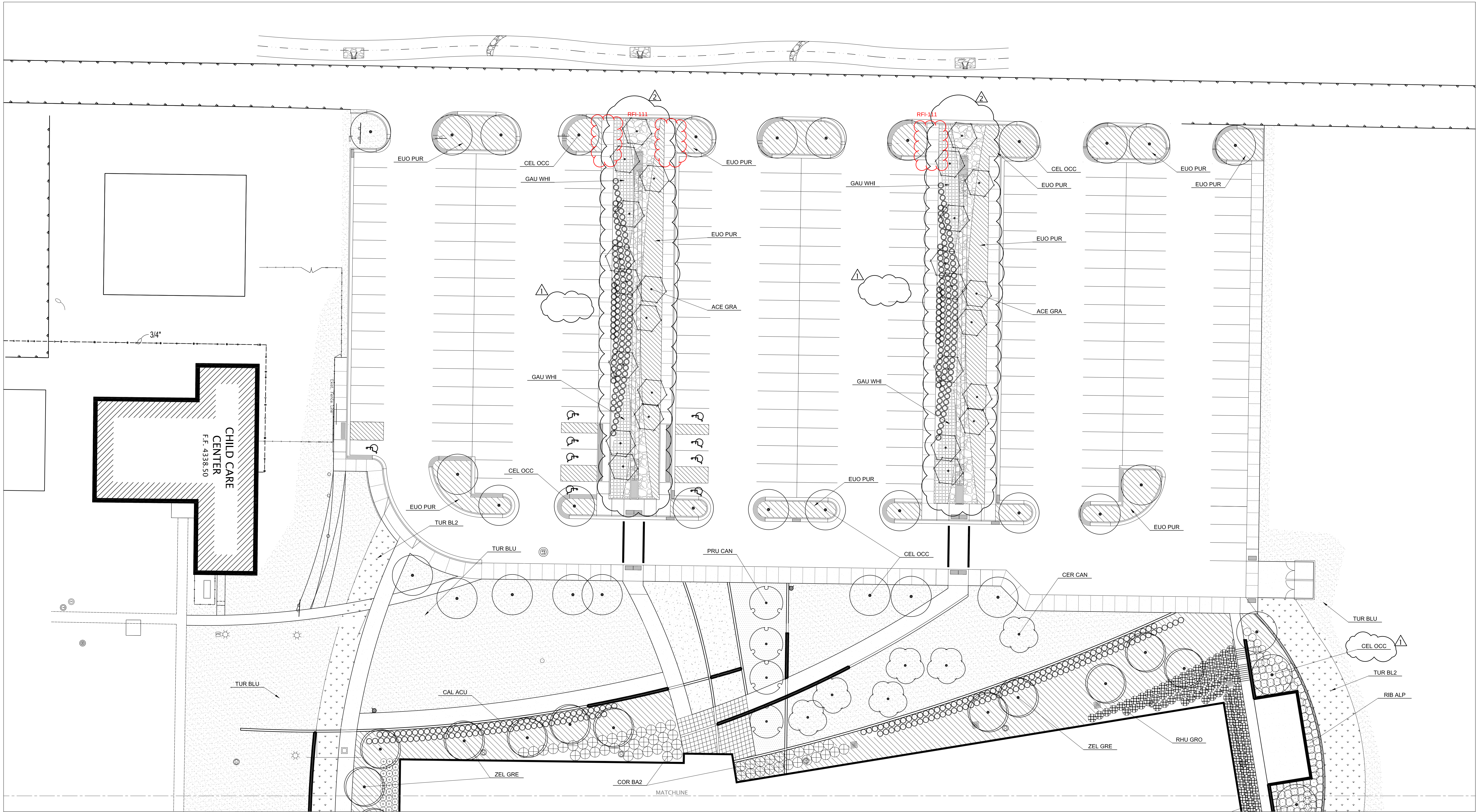
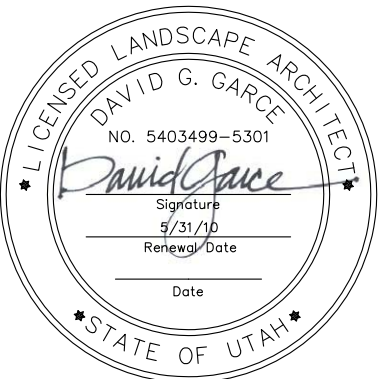
18 DRIP LINE TRIANGULAR AREA

1 1/2" = 12" 32 8413.43-13



REVISIONS:

05.21.2010	ASI #6
10.18.2010	ASI #18



PLANTING PLAN NORTH
SCALE: 1"=20'-0"

1
LP100

EXTERIOR PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT	GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT
	ACE GRA	ACER GRANDIDENTATUM / BIGTOOTH MAPLE	8&8	2" CAL		CAL ACU	CALAMAGROSTIS ACUTIFOLIA 'KARL FOERSTER' / FOERSTER'S REED GRASS	1 GAL		EUO PUR	EUONYMUS FORTUNEI COLORATUS / PURPLELEAF WINTER CREEPER	4"POT@ 24" OC
	AME GRA	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / 'AUTUMN BRILLIANCE' SERVICEBERRY	25 GAL			CAR DAR	CARYOPTERIS X CLANDONENSIS 'DARK KNIGHT' / BLUE MIST SHRUB	5 GAL		GAU WHI	GAURA LINDHEIMERI 'WHIRLING BUTTERFLIES' / WHIRLING BUTTERFLIES GAURA	1 GAL@ 36" OC
	CEL OCC	CELTIS OCCIDENTALIS / COMMON HACKBERRY	8&8	2" CAL		COR BA2	CORNUS SERICEA 'BAILEY'S REDTWIG' / REDT TWIG DOGWOOD	5 GAL		SAL MA2	SALVIA NEMOROSA 'MAY NIGHT' / MAY NIGHT SAGE	4"POT@ 24" OC
	CER CAN	CERCIS CANADENSIS / EASTERN REDBUD	8&8	2" CAL		PAN HEA	PANICUM VIRGATUM 'HEAVY METAL' / HEAVY METAL SWITCH GRASS	1 GAL		TUR BLU	TURF SOD BLUEGRASS / KENTUCKY BLUEGRASS	SOD
	PRU CHO	PRUNUS VIRGINIANA / CHOKECHERRY	8&8	2" CAL		PEN GRA	PENNISETUM ALOPECUROIDES / FOUNTAIN GRASS	1 GAL		TUR BL2	TURF SOD BLUEGRASS / KENTUCKY BLUEGRASS OVER REINFORCED TURF SYSTEM	SOD
	PRU CAN	PRUNUS VIRGINIANA 'CANADA RED' / CANADA RED CHOKECHERRY	8&8	2" CAL		RHU GRO	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	5 GAL				
	ZEL GRE	ZELKOVA SERRATA 'GREEN VASE' / SAWLEAF ZELKOVA	8&8	2" CAL		RIB ALP	RIBES ALPINUM / ALPINE CURRANT	5 GAL				
						SAM LA2	SAMBUCUS NIGRA 'LACINIATA' / COMMON ELDERBERRY	5 GAL				
						VIB AM2	VIBURNUM TRILOBUM / AMERICAN CRANBERRYBUSH	5 GAL				

OWATC Health Technology Building

Ogden-Weber Applied Technology College
200 North Washington Boulevard
Ogden, UT 84404

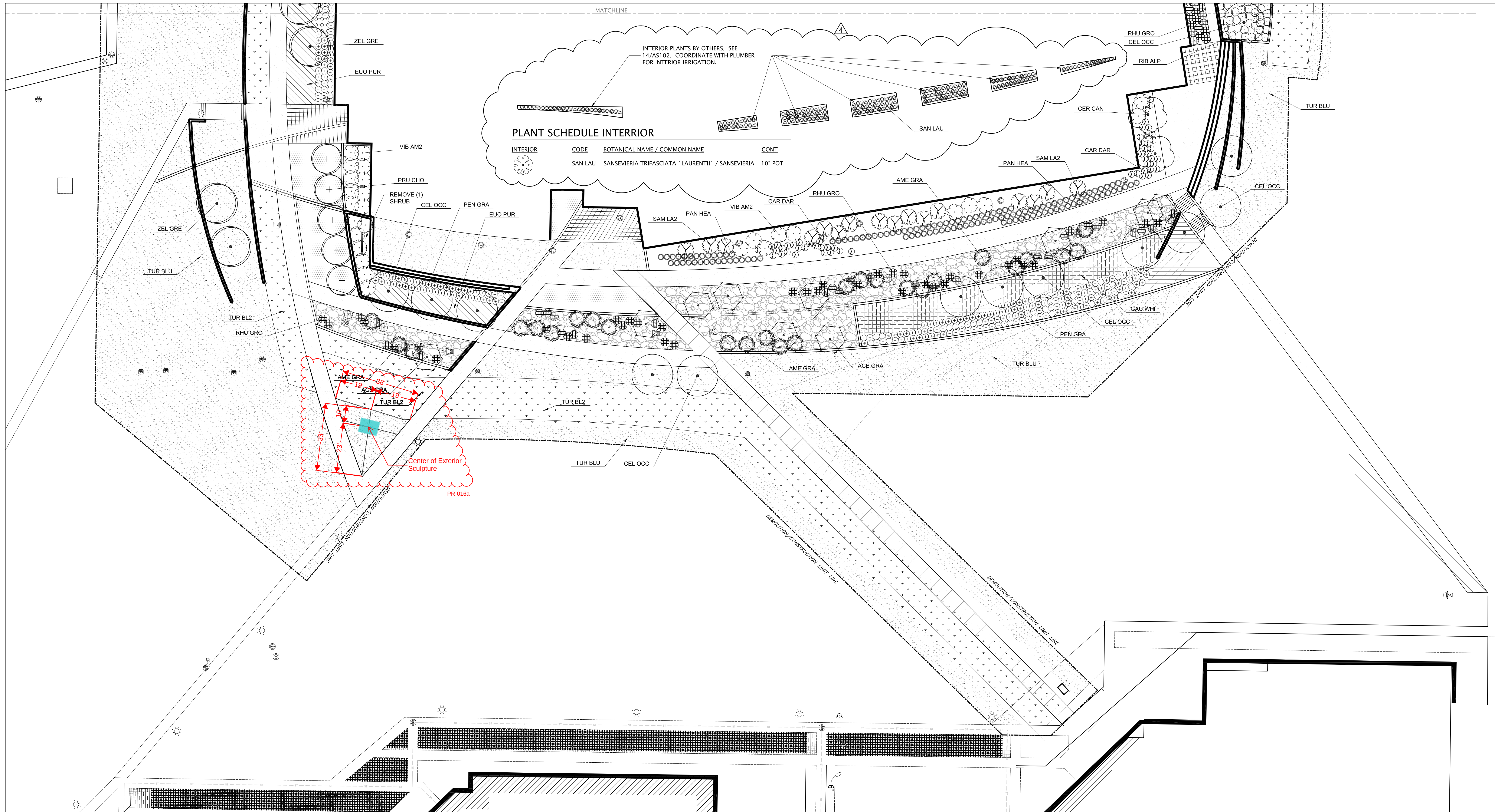
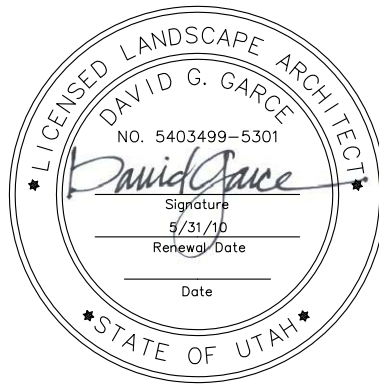
Bid Package #2:
Construction Documents

DRAWN BY:
CHECKED BY:
OWNER PROJECT NO.:
GSBS PROJECT NO.:
ISSUED DATE:

TR5
09021240
2009.114.00
04.26.10

PLANTING PLAN
NORTH

REVISIONS:			
▲	05.21.2010	ASI #6	
▲	1.05.2011	ASI #22	
▲	2.02.2011	PR #15	
▲	3.8.2011	PR #20	



PLANT SCHEDULE INTERIOR

INTERIOR	CODE	BOTANICAL NAME / COMMON NAME	CONT
	SAN LAU	SANSEVIERIA TRIFASCIATA 'LAURENTII' / SANSEVIERIA	10" POT

PLANTING PLAN SOUTH

SCALE: 1"=20'-0"

1
LP101

EXTERIOR PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT	GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT
	ACE GRA	ACER GRANDIDENTATUM / BIGTOOTH MAPLE	B&B	2" CAL		CAL ACU	CALAMAGROSIS ACUTIFOLIA 'KARL FOERSTER' / FOERSTER'S REED GRASS	1 GAL		EUO PUR	EUONYMUS FORTUNEI COLORATUS / PURPLELEAF WINTER CREEPER	4" POT @ 24" OC
	AME GRA	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / 'AUTUMN BRILLIANCE' SERVICEBERRY	25 GAL			CAR DAR	CARYOPTERIS X CLANDONENSIS 'DARK KNIGHT' / BLUE MIST SHRUB	5 GAL		GAU WHI	GAURA LINDHEIMERI 'WHIRLING BUTTERFLIES' / WHIRLING BUTTERFLIES GAURA	1 GAL @ 36" OC
	CEL OCC	CELTIS OCCIDENTALIS / COMMON HACKBERRY	B&B	2" CAL		COR BA2	CORNUS SERICEA 'BAILEY'S REDTIG' / REDT TWIG DOGWOOD	5 GAL		SAL MA2	SALVIA NEMOROSA 'MAY NIGHT' / MAY NIGHT SAGE	4" POT @ 24" OC
	CER CAN	CERCIS CANADENSIS / EASTERN REDBUD	B&B	2" CAL		PAN HEA	PANICUM VIRGATUM 'HEAVY METAL' / HEAVY METAL SWITCH GRASS	1 GAL		TUR BLU	TURF SOD BLUEGRASS / KENTUCKY BLUEGRASS	SOD
	PRU CHO	PRUNUS VIRGINIANA / CHOKECHERRY	B&B	2" CAL		PEN GRA	PENNISSETUM ALOPECUROIDES / FOUNTAIN GRASS	1 GAL		TUR BL2	TURF SOD BLUEGRASS / KENTUCKY BLUEGRASS OVER REINFORCED TURF SYSTEM	SOD
	PRU CAN	PRUNUS VIRGINIANA 'CANADA RED' / CANADA RED CHOKECHERRY	B&B	2" CAL		RHU GRO	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	5 GAL				
	ZEL GRE	ZELKOVA SERRATA 'GREEN VASE' / SAWLEAF ZELKOVA	B&B	2" CAL		RIB ALP	RIBES ALPINUM / ALPINE CURRANT	5 GAL				
						SAM LA2	SAMBUCUS NIGRA 'LACINIATA' / COMMON ELDERBERRY	5 GAL				
						VIB AM2	VIBURNUM TRILOBUM / AMERICAN CRANBERRYBUSH	5 GAL				

OWATC Health Technology Building

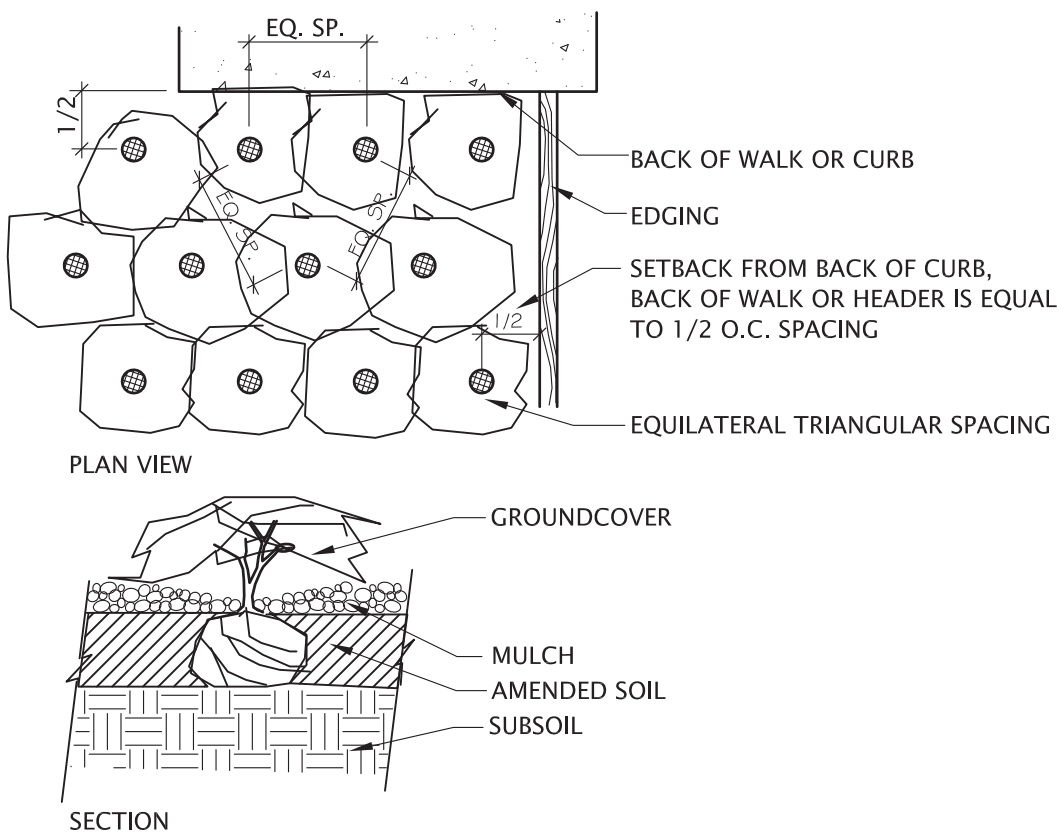
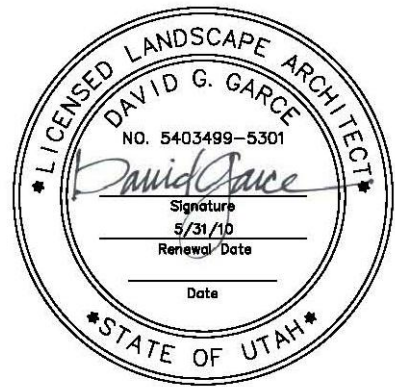
Ogden-Weber Applied Technology College
200 North Washington Boulevard
Ogden, UT 84404

Bid Package #2:
Construction Documents

DRAWN BY: TRS
CHECKED BY: 09021240
OWNER PROJECT NO.: 2009.114.00
GSBS PROJECT NO.: 04.26.10
ISSUED DATE:

PLANTING PLAN
SOUTH

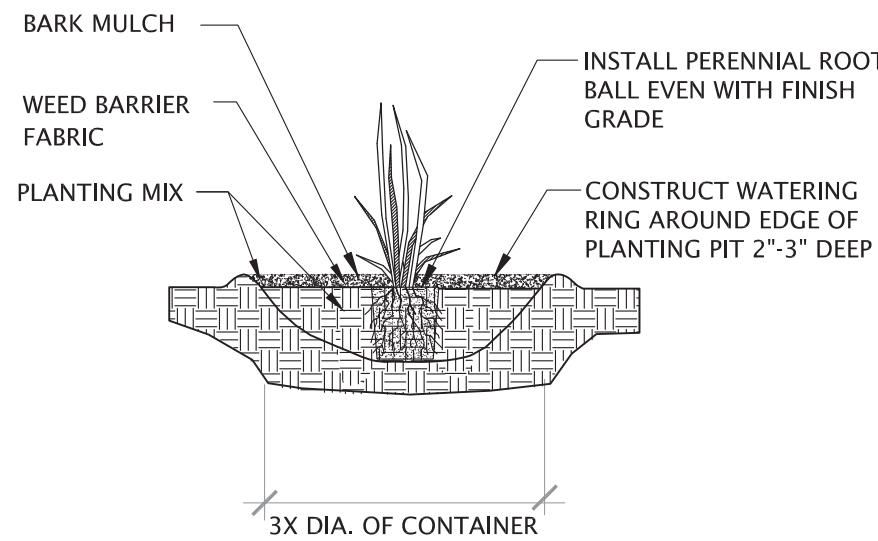
REVISIONS:



5 GROUNDCOVER PLANTING

1" = 1'-0"

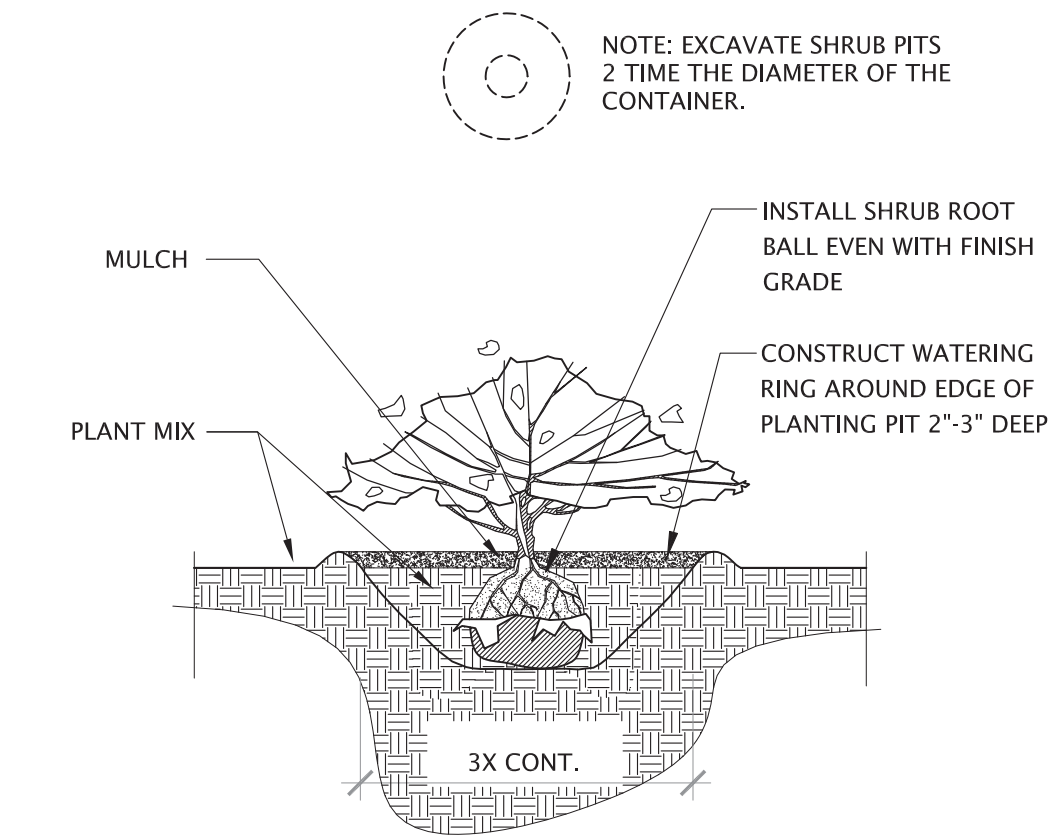
329313-02



4 PERENNIAL PLANTING

3/8" = 12"

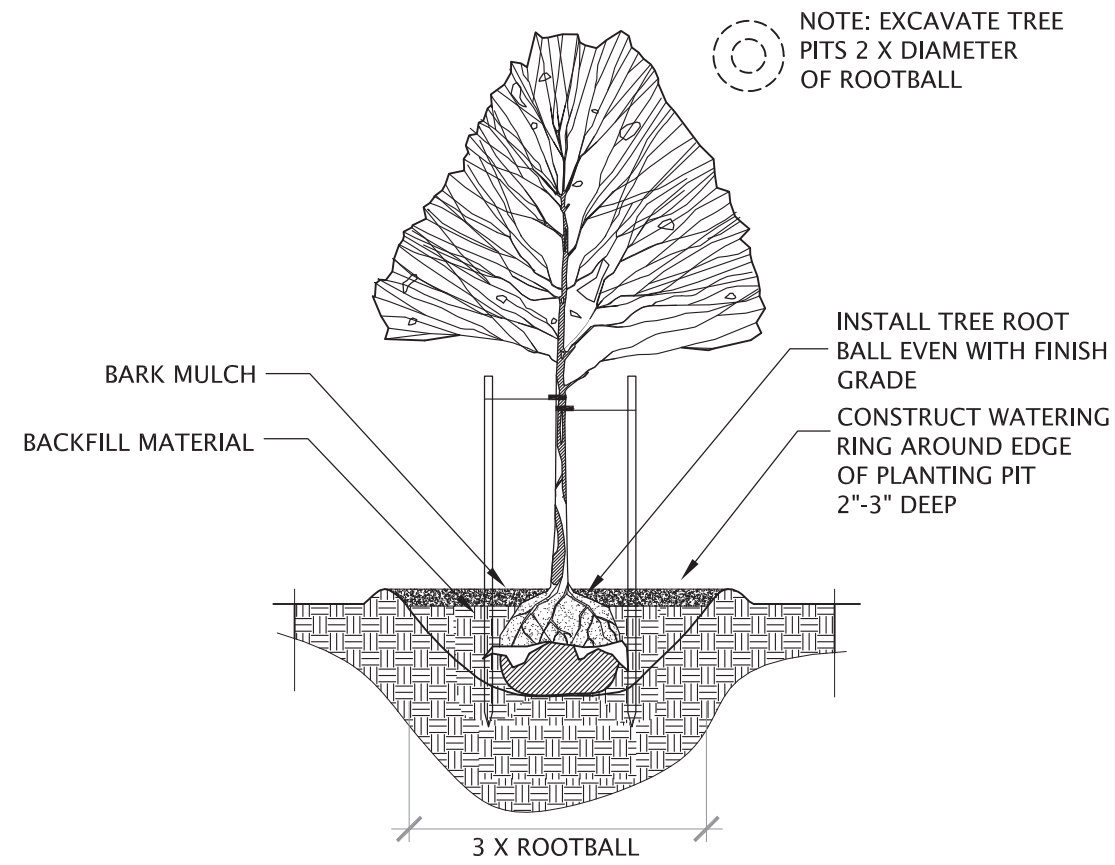
329302-01



3 SHRUB PLANTING

3/8" = 12"

329333.16-01

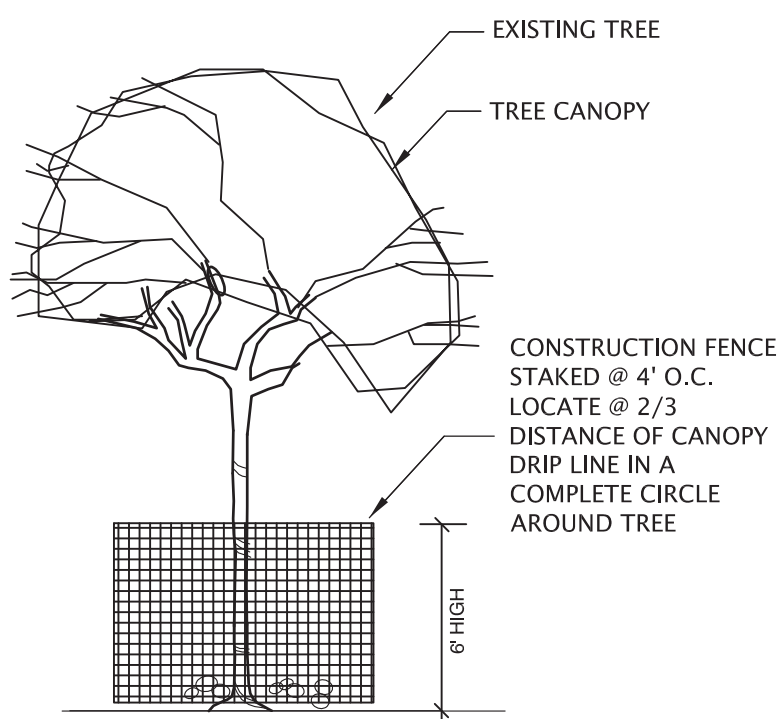


1. LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE A MINIMUM OF 24 HOURS BEFORE CONSTRUCTION COMMENCES. ANY DISCREPANCIES BETWEEN THE PLAN AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE IMMEDIATELY FOR DECISION.
2. NO CHANGES SHALL BE MADE TO THE PLANT MATERIAL LIST WITHOUT WRITTEN APPROVAL OF THE OWNERS REPRESENTATIVE.
3. THE LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
4. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN THE QUANTITIES AND SIZES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
5. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED.
6. ALL TREES SHALL BE PLANTED 5' MIN. AWAY FROM WATER SERVICE LATERALS AND 10' MIN. AWAY FROM SEWER LATERALS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING ALL PLANTED AREAS AND TO ENSURE POSITIVE DRAINAGE OF A MINIMUM 2.5% AWAY FROM BUILDINGS.
8. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
9. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED AS NECESSARY TO MAINTAIN HEALTHY ESTABLISHMENT.

6 PLANTING NOTES

1/4" = 1'-0"

329301-03



1 TREE PRESERVATION

1" = 1'-0"

329301-04

2 TREE PLANTING WITH STAKES

1/4" = 1'-0"

329346.16-01

TREE PRESERVATION NOTES

1. TREES WITHIN WORK LIMIT AREA SHALL BE FENCED AT THE DRIPLINE. FENCING MAY OCCUR AT THE COMBINED DRIPLINES OF TREES TO BE PRESERVED.
2. FENCING SHALL BE 6-FOOT TALL CHAIN LINK FENCING WITH STEEL POSTS EMBEDDED IN THE GROUND.
3. NO GRADING SHALL OCCUR WITHIN THE DRIPLINES/FENCED AREA OF EXISTING TREES.
4. NO CONSTRUCTION MATERIALS OR CONSTRUCTION VEHICLES MAY BE STORED WITHIN THE DRIPLINES/FENCING AREAS OF EXISTING TREES.
5. CONSTRUCTION VEHICLES OR MACHINERY MAY NOT PASS BETWEEN TWO OR MORE EXISTING TREES IDENTIFIED FOR PRESERVATION IF THEIR CANOPIES ARE WITHIN 10 FEET OF TOUCHING.
6. TREE PRESERVATION MEASURES MUST BE IN PLACE BEFORE CONSTRUCTION, DEMOLITION AND/OR GRADING ACTIVITIES COMMENCE.
7. THE CONTRACTOR IS REQUIRED TO HAVE AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) ON SITE, IF SITE CONSTRUCTION EFFORTS REQUIRE REMOVAL OF EXISTING ROOTS OR BRANCH PRUNING.
8. UNAUTHORIZED TREE REMOVAL IS SUBJECT TO IN-KIND REPLACEMENT EQUAL TO THE MATURE RESOURCE LOST, AS DETERMINED BY THE CITY OF SOUTH JORDAN.
9. THE CONTRACTOR IS REQUIRED TO WATER, FERTILIZE AND ATTEND TO OTHER MAINTANANCE NEEDS OF EXISTING TREES AS NEEDED TO MAINTAIN HEALTHY GROWTH THROUGHOUT THE CONSTRUCTION PERIOD. SIX FEET DIAMETER, MINIMUM, BY SIX-INCH TALL EARTH BERMS SHALL BE CONSTRUCTED AT THE BASE OF EACH TREE TO FUNCTION AS TEMPORARY WATERING BASINS DURING THE CONSTRUCTION PERIOD. TREES SHALL BE WATERED ACCORDING TO WEATHER AND TREE REQUIREMENTS.

OWATC Health
Technology
Building

Ogden-Weber Applied Technology College
200 North Washington Boulevard
Ogden, UT 84404

Bid Package #2:
Construction Documents

DRAWN BY:
CHECKED BY: TRS
OWNER PROJECT NO.: 09021240
GSBS PROJECT NO.: 2009.114.00
ISSUED DATE: 04.26.10

PLANTING DETAILS